

- 3** *Director's Desk:* Open House huzzahs, a report on the recent site visit, and reflections on doing more with less
- 4** New FlexTime schedule gives DC magnet users more run time and wriggle room
- 5** Cryogenic system for the 35 tesla magnet gets a major overhaul
- 8** *Spin control:* Multiphoton coherent manipulation in large-spin qubits
- 10** Collaboration uses FT-ICR to explore mechanism of drug resistance in gastrointestinal stromal tumor patients
- 13** Researchers combine solution, solid-state NMR techniques to determine the structure of membrane proteins.
- 15** Increased focus on science education leads to a spike in requests for outreach
- 17** Mag Lab staff, affiliates, users and students in the news
- 19** *Science Starts Here:* Andrew Christianson

Trying to reduce your carbon footprint? Sign up for an online subscription at <http://www.mediacycenter/publications/subscribe.aspx>



Published by:

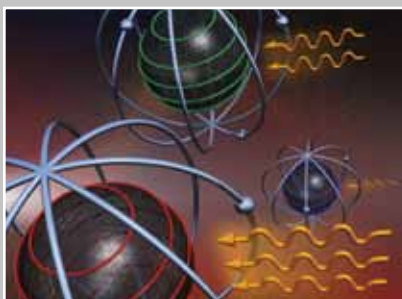
**National High Magnetic  
Field Laboratory**

1800 East Paul Dirac Drive  
Tallahassee, FL 32310-3706

Tel: 850 644-0311

Fax: 850 644-8350

[www.magnet.fsu.edu](http://www.magnet.fsu.edu)



**On the cover:**

Photo illustration by Kevin John.  
See page 8 for the article that inspired the cover.

**Director:** GREG BOEBINGER

**Associate Director for Management and Administration:**

BRIAN FAIRHURST

**Director, Public Affairs:** SUSAN RAY

**Editor:** AMY MAST

**Art Direction and Production:** SAVOY BROWN

This document is available in alternate formats upon request. Contact Amy Mast for assistance. If you would like to be added to our mailing list, please write us at the address shown at left, call 850 644-1933, or e-mail [winters@magnet.fsu.edu](mailto:winters@magnet.fsu.edu).